

PTO FORM 4/92
FORM PTO-1449

ATTY.
DOCKET

ASF98078 -
(021971.0159)

SERIAL
NO.

748,788

LIST OF PATENTS AND PUBLICATIONS

APPLICANT

Robert S. Young, Jr., et al.

FOR APPLICANT'S INFORMATION

FILING DATE

December 22, 2000

GROUP

DISCLOSURE STATEMENT

FOR: Digital Film Processing Method and System

UNITED STATES LETTERS PATENT

DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
3 8 3 3 1 6 1	Sep. 3, 1974	Krumbein	226	92
4 2 6 5 5 4 5	May 5, 1981	Slaker	356	431
4 6 3 3 3 0 0	Dec. 30, 1986	Sakai	358	41
4 7 4 1 6 2 1	May 3, 1988	Taft et al.	356	376
5 0 2 7 1 4 6	Jun. 25, 1991	Manico et al.	354	299
5 2 0 0 8 1 7	Apr. 6, 1993	Birnbaum	358	80
5 3 3 4 2 4 7	Aug. 2, 1994	Columbus et al.	118	411
5 4 7 7 3 4 5	Dec. 19, 1995	Tse	358	500
5 5 8 7 7 5 2	Dec. 24, 1996	Petruchik	396	315
5 6 2 7 0 1 6	May 6, 1997	Manico	430	434
5 6 4 9 2 6 0	Jul. 15, 1997	Wheeler et al.	396	569
5 8 3 5 7 9 5	Nov. 10, 1998	Craig et al.	396	6
5 9 5 9 7 2 0	Sep. 28, 1999	Kwon et al.	355	38
6 0 8 8 0 8 4	Jul. 11, 2000	Nishio	355	75
6 2 0 0 7 3 8	Mar. 13, 2001	Takano et al.	430	362

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS
WO 98/25399 A1	Jun. 11, 1998	PCT	H04N	1/38
WO 98/34157 A2	Aug. 6, 1998	PCT	G03D	
WO 99/43149 A1	Aug. 26, 1999	PCT	H04N	1/00
WO 01/45042 A1	Jun. 21, 2001	PCT	G06T	5/00
WO 01/50192 A1	Jul. 12, 2001	PCT	G03C	7/407
WO 01/50193 A1	Jul. 12, 2001	PCT	G03C	7/407
WO 01/50194 A1	Jul. 12, 2001	PCT	G03C	7/407
WO 01/50197 A1	Jul. 12, 2001	PCT	G03C	7/42
WO 01/52556 A2	Jul. 19, 2001	PCT	H04N	9/11
EP 0 580 293 A1	Jan. 26, 1994	Europe	H04N	1/04
EP 0 601 364 A1	Jun. 15, 1994	Europe	H04N	1/387
EP 0 768 571 A2	Apr. 16, 1997	Europe	G03D	13/00
EP 0 806 861 A1	Nov. 12, 1997	Europe	H04N	1/00
EP 0 878 777 A2	Nov. 18, 1998	Europe	G06T	5/40

OTHER ART (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

EXAMINER: *Heather Skiba* DATE CONSIDERED: *7/26/04*

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PATENT & TRADEMARK OFFICE	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
H06	2 4 0 4 1 3 8	Jul. 16, 1946	Mayer, A.L.	95	94
	3 5 2 0 6 8 9	Jul. 14, 1970	Nagae et al.	96	55
	3 5 2 0 6 9 0	Jul. 14, 1970	Nagae et al.	96	55
	3 5 8 7 4 3 5	Jun. 28, 1971	Chioffe	95	93
	3 6 1 5 4 7 9	Oct. 26, 1971	Kohler et al.	96	48
	3 6 1 5 4 9 8	Oct. 26, 1971	Aral et al.	96	55
	3 6 1 7 2 8 2	Nov. 2, 1971	Bard et al.	96	59
	3 7 4 7 1 2 0	Jul 17, 1973	Stemme	346	75
	3 9 0 3 5 4 1	Sep. 2, 1975	Von Meister et al.	354	317
	3 9 4 6 3 9 8	Mar 23, 1976	Kyser et al.	346	1
	3 9 5 9 0 4 8	May 25, 1976	Stanfield et al.	156	94
	4 0 2 6 7 5 6	May 31, 1977	Stanfield et al.	156	554
	4 0 8 1 5 7 7	Mar. 28, 1978	Horner	427	424
	4 1 4 2 1 0 7	Feb. 27, 1979	Hatzakis et al.	250	571
	4 2 1 5 9 2 7	Aug. 5, 1980	Grant et al.	354	317
	4 2 4 9 9 8 5	Feb. 10, 1981	Stanfield	156	554
	4 3 0 1 4 6 9	Nov. 17, 1981	Modeen et al.	358	75
	4 4 9 0 7 2 9	Dec. 25, 1984	Clark et al.	346	75
	4 5 0 1 4 8 0	Feb. 26, 1985	Matsui et al.	354	298

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS
H06 WO 90/01240	Feb. 8, 1990	PCT	H04N	1/40
WO 91/09493	Jun. 27, 1991	PCT	H04N	5/217
WO 97/25652	Jul. 17, 1997	PCT	G03D	5/00
WO 98/19216	May 7, 1998	PCT	G03C	5/29
WO 98/25399	Jun. 11, 1998	PCT	H04N	1/38
WO 98/31142	Jul. 16, 1998	PCT	H04N	5/253
H06 WO 98/34157	Aug. 6, 1998	PCT	G03D	

OTHER ART (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

H06	"Adaptive Fourier Threshold Filtering: A Method to Reduce Noise and Incoherent Artifacts in High Resolution Cardiac Images", Doyle, M., et al., 8306 Magnetic Resonance in Medicine 31, No. 5, Baltimore, MD, May, 1994, pp. 546-550.
H06	"Anisotropic Spectral Magnitude Estimation Filters for Noise Reduction and Image Enhancement", T. Aach, et al., Philips GmbH Research Laboratories, IEEE, pp. 335-338, 1996.
H06	"Adaptive-neighborhood filtering of images corrupted by signal-dependent noise", R. Rangayyan, et al., Applied Optics, Vol. 37, No. 20, pp. 4477-4487, July 10, 1998.
H06	"Grayscale Characteristics", The Nature of Color Images, Photographic Negatives, pp. 163-168.
H06	"Parallel Production of Oligonucleotide Arrays Using Membranes and Reagent Jet Printing", D. Stimpson, et al., Research Reports, BioTechniques, Vol. 25, No. 5, pp. 886-890, 1998.
H06	"Low-Cost Display Assembly and Interconnect Using Ink-Jet Printing Technology", D. Hayes, et al., Display Works '99, MicroFab Technologies, Inc., pp. 1-4, 1999.
H06	"Ink-Jet Based Fluid Microdispensing in Biochemical Applications", D. Wallace, MicroFab Technologies, Inc., Laboratory Automation News, Vol. 1, No. 5, pp. 3, 6-9, Nov., 1996.

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H00	4	5	6	4	2	8	0	Jan. 14, 1986	Fukuda	354	317
	4	5	9	4	5	9	8	Jun. 10, 1986	Iwagami	346	140
	4	6	2	1	0	3	7	Nov. 4, 1986	Kanda et al.	430	30
	4	6	2	3	2	3	6	Nov. 18, 1986	Stella	354	318
	4	6	3	6	8	0	8	Jan. 13, 1987	Herron	346	75
	4	6	6	6	3	0	7	May 19, 1987	Matsumoto et al.	356	404
	4	6	7	0	7	7	9	Jun 2, 1987	Nagano	358	75
	4	7	3	6	2	2	1	Apr. 5, 1988	Shidara	354	317
	4	7	4	5	0	4	0	May 17, 1988	Levine	430	21
	4	7	5	5	8	4	4	Jul. 5, 1988	Tsuchiya et al.	354	317
	4	7	7	7	1	0	2	Oct. 11, 1988	Levine	430	21
	4	7	9	6	0	6	1	Jan. 3, 1989	Ikedo et al.	355	73
	4	8	1	4	6	3	0	Mar. 21, 1989	Lim	250	578
	4	8	2	1	1	1	4	Apr. 11, 1989	Gebhardt	358	75
	4	8	4	5	5	5	1	Jul. 4, 1989	Matsumoto	358	80
	4	8	5	1	3	1	1	Jul. 25, 1989	Millis et al.	430	30
	4	8	5	7	4	3	0	Aug. 15, 1989	Millis et al.	430	30
	4	8	7	5	0	6	7	Oct. 17, 1989	Kanzaki et al.	354	325
	4	9	6	9	0	4	5	Nov. 6, 1990	Haruki et al.	358	228

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	DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUB CLASS
H00	WO 98/34397							Aug. 6, 1998	PCT	H04N	
	WO 99/43148							Aug. 26, 1999	PCT	H04N	1/00
	WO 01/01197							Jan. 4, 2001	PCT	G03D	5/00
	WO 01/13174 A1							Feb. 22, 2001	PCT	G03D	5/06
	EP 0 261 782 A2							Aug. 14, 1987	Europe	H04N	1/46
	EP 0 422 220 A1							Mar. 28, 1989	Europe	A61B	6/03
	EP 0 482 790 B1							Sep. 9, 1991	Europe	H04N	1/40
	EP 0 525 886 A3							Jul. 21, 1992	Europe	G03D	5/00
	EP 0 580 293 A1							Jun. 22, 1993	Europe	H04N	1/04
	EP 0 669 753 A2							Feb. 24, 1995	Europe	H04N	1/407

OTHER ART (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

H00	"Photorealistic Ink-Jet Printing Through Dynamic Spot Size Control", D. Wallace, et al., Journal of Imaging Science and Technology, Vol. 40, No. 5, pp. 390-395, Sept/Oct. 1996.
H00	"MicroJet Printing of Solder and Polymers for Multi-Chip Modules and Chip-Scale Package", D. Hayes, et al., MicroFab Technologies, Inc. (6 pages)
H00	"A Method of Characteristics Model of a Drop-on-Demand Ink-Jet Device Using an Integral Method Drop Formation Model", D. Wallace, MicroFab Technologies, Inc., The American Society of Mechanical Engineers, Winter Annual Meeting, pp. 1-9, Dec. 10-15, 1989.
H00	"Digital Imaging Equipment White Papers", Putting Damaged Film on ICE, www.nikonusa.com/reference/whitepapers/imaging , Nikon Corporation, Nov. 28, 2000.

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		DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS
H06		4	9	9	4	9	1	8	Feb. 19, 1991	Lingemann	358	214
		5	0	3	4	7	6	7	Jul. 23, 1991	Netz et al.	354	317
		5	1	0	1	2	8	6	Mar. 31, 1992	Patton	358	487
		5	1	2	4	2	1	6	Jun. 23, 1992	Giapis et al.	430	30
		5	1	5	5	5	9	6	Oct. 13, 1992	Kurtz et al.	358	214
		5	1	9	6	2	8	5	Mar. 23, 1993	Thomson	430	30
		5	2	1	2	5	1	2	May 18, 1993	Shiota	354	319
		5	2	3	1	4	3	9	Jul. 27, 1993	Takahashi et al.	354	313
		5	2	3	5	3	5	2	Aug. 10, 1993	Pies et al.	346	140
		5	2	5	5	4	0	8	Oct. 26, 1993	Blackman	15	308
		5	2	6	6	8	0	5	Nov. 30, 1993	Edgar	250	330
		5	2	6	7	0	3	0	Nov. 30, 1993	Giorgianni et al.	358	527
		5	2	9	2	6	0	5	Mar. 8, 1994	Thomson	430	30
		5	2	9	6	9	2	3	Mar. 22, 1994	Hung	358	527
		5	3	5	0	6	5	1	Sep. 27, 1994	Evans et al.	430	21
		5	3	5	0	6	6	4	Sep. 27, 1994	Simons	430	362
		5	3	5	7	3	0	7	Oct. 18, 1994	Glanville et al.	354	324
		5	3	6	0	7	0	1	Nov. 1, 1994	Elton et al.	430	501
✓		5	3	7	1	5	4	2	Dec. 6, 1994	Pauli et al.	348	262

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUB CLASS
H06		EP 0 794 454 A2							Sep. 10, 1997	Europe	G03B	27/73
H06		EP 0 930 498 A2							Jul. 21, 1999	Europe	G01N	21/88

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H06	5	3	9	1	4	4	3	Feb. 21, 1995	Simons et al.	430	21
	5	4	1	4	7	7	9	May 9, 1995	Mitch	382	199
	5	4	1	6	5	5	0	May 16, 1995	Skye et al.	354	298
	5	4	1	8	1	1	9	May 23, 1995	Simons	430	507
	5	4	1	8	5	9	7	May 23, 1995	Lahcanski et al.	355	76
	5	4	3	2	5	7	9	Jul. 11, 1995	Tokuda	354	293
	5	4	3	6	7	3	8	Jul. 25, 1995	Manico	358	503
	5	4	4	0	3	6	5	Aug. 8, 1995	Gates et al.	354	298
	5	4	4	7	8	1	1	Sep. 5, 1995	Buhr et al.	430	20
	5	4	4	8	3	8	0	Sep. 5, 1995	Park	358	520
	5	4	5	2	0	1	8	Sep. 19, 1995	Capitant et al.	348	651
	5	4	6	5	1	5	5	Nov. 7, 1995	Edgar	358	500
	5	5	1	6	6	0	8	May 14, 1996	Hobbs et al.	430	30
	5	5	4	6	4	7	7	Aug. 13, 1996	Knowles et al.	382	242
	5	4	9	6	6	6	9	Mar. 5, 1996	Pforr et al.	430	22
	5	5	5	0	5	6	6	Aug. 27, 1996	Hodgson et al.	345	202
	5	5	1	9	5	1	0	May 21, 1996	Edgar	358	471
	5	5	5	2	9	0	4	Sep. 3, 1996	Ryoo et al.	358	518
	5	5	6	3	7	1	7	Oct. 8, 1996	Koeng et al.	358	406

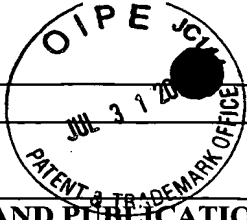
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HOG	5	5	6	8	2	7	0	Oct. 22, 1996	Endo	358	298
	5	5	7	6	8	3	6	Nov. 19, 1996	Sano et al.	358	302
	5	5	8	1	3	7	6	Dec. 3, 1996	Harrington	358	518
	5	5	9	6	4	1	5	Jan. 21, 1997	Cosgrove et al.	358	296
	5	6	2	7	0	1	6	May 6, 1997	Manico	430	434
	5	6	6	4	2	5	3	Sep. 2, 1997	Meyers	396	603
	5	6	6	4	2	5	5	Sep. 2, 1997	Wen	396	627
	5	6	6	7	9	4	4	Sep. 16, 1997	Reem et al.	430	359
	5	6	7	8	1	1	6	Oct. 14, 1997	Sugimoto et al.	396	611
	5	6	9	1	1	1	8	Nov. 25, 1997	Haye	430	357
	5	6	9	5	9	1	4	Dec. 9, 1997	Simon et al.	430	379
	5	6	9	8	3	8	2	Dec. 16, 1997	Nakahanada et al.	430	418
	5	7	2	6	7	7	3	Mar. 10, 1998	Mehlo et al.	358	474
	5	7	3	9	8	9	7	Apr. 14, 1998	Frick et al.	355	40
	5	7	7	1	1	0	7	Jun. 23, 1998	Fujimoto et al.	358	464
	5	7	9	0	2	7	7	Aug. 4, 1998	Edgar	358	487
	5	8	3	5	8	1	1	Nov. 10, 1998	Tsumura	396	598
	5	8	7	0	1	7	2	Feb. 9, 1999	Blume	355	27
	5	8	8	0	8	1	9	Mar. 9, 1999	Tanaka et. al.	355	75

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HDS		5	8	9	2	5	9	5	Apr. 6, 1999	Yamakawa et al.	358	530
		5	9	3	0	3	8	8	Jul. 27, 1999	Murakami et al.	382	167
		5	9	6	3	6	6	2	Oct. 5, 1999	Vachtsevanos et al.	382	150
		5	9	6	6	4	6	5	Oct. 12, 1999	Keith et al.	382	232
		5	9	7	9	0	1	1	Nov. 9, 1999	Miyawaki et al.	15	308
		5	9	8	2	9	3	6	Nov. 9, 1999	Tucker et al.	382	233
		5	9	8	2	9	3	7	Nov. 9, 1999	Accad	382	239
		5	9	8	2	9	4	1	Nov. 9, 1999	Loveridge et al.	382	260
		5	9	8	2	9	5	1	Nov. 9, 1999	Katayama et al.	382	284
		5	9	8	8	8	9	6	Nov. 23, 1999	Edgar	396	604
		5	9	9	1	4	4	4	Nov. 23, 1999	Burt et al.	382	232
		5	9	9	8	1	0	9	Dec. 7, 1999	Hirabayashi	430	434
		6	0	0	0	2	8	4	Dec. 14, 1999	Shin et al.	73	150
		6	0	0	5	9	8	7	Dec. 21, 1999	Nakamura et al.	382	294
		6	0	6	5	8	2	4	May 23, 2000	Bullock et al.	347	19
		6	0	6	9	7	1	4	May 30, 2000	Edgar	358	487
		6	0	8	9	6	8	7	Jul. 18, 2000	Helterline	347	7
		6	1	0	1	2	7	3	Aug. 8, 2000	Matama	382	169
		6	1	0	2	5	0	8	Aug. 15, 2000	Cowger	347	7
	6	1	3	7	9	6	5	Oct. 24, 2000	Burgeios et al.	396	626	

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